Title: Plant MSH2 Sequences and Methods of Use Inventor(s): Kipp *et al.*Appl. No.: Not yet Assigned
Atty Dkt No5839-2 (42960/196219)

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| codon | CCN | CTN | TTN | CTN | ACN | GCN | TCN |
|------------|-----|-----|-----|-----|-----|-----|-----|
| amino acid | P12 | L16 | F27 | L31 | T48 | A49 | S49 |

| 5' element | | T | 1 | | | | . | designation |
|------------|-----|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| class I | ccc | CT G | ттс | CT G | AC A | | T CT | NtMSH2A1 |
| class II | ССТ | CT T | TIT | CTA | ACT | G CT | | NtMSH2B1 |
| class II | CCC | CT G | TTC | CTG | AC A | | T CT | NtMSH2A2 |
| class II | ССТ | СТ Т | TT T | СТА | ACT | | TCT | NtMSH2A3 |

FIGURE 1